

## **Product** Data Sheet

Inhibitors

**Screening Libraries** 

**Proteins** 

# **BLT2** antagonist-1

 Cat. No.:
 HY-155300

 CAS No.:
 2069220-61-5

 Molecular Formula:
 C<sub>26</sub>H<sub>26</sub>FNO<sub>4</sub>

Molecular Weight: 435.49

Target: Leukotriene Receptor
Pathway: GPCR/G Protein

Storage: Please store the product under the recommended conditions in the Certificate of

Analysis.

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### **BIOLOGICAL ACTIVITY**

Description	BLT2 antagonist-1 (compound 15b) is a selective BLT2 antagonist that inhibits the chemotaxis of CHO-BLT2 cells with an IC $_{50}$ of 224 nM. BLT2 antagonist-1 does not inhibits the chemotaxis of CHO-BLT1 cells. BLT2 antagonist-1 also inhibits the binding of LTB4 and BLT2 with a K <sub>i</sub> value of 132 nM. BLT2 antagonist-1 can be used for the research of the inflammatory airway diseases such as asthma and chronic obstructive pulmonary disease <sup>[1]</sup> .
IC <sub>50</sub> & Target	BLT2 224 pM (ICco)

**REFERENCES** 

[1]. Hyejun Park, et al. Discovery of a novel BLT2 antagonist for the treatment of inflammatory airway diseases. Eur J Med Chem. 2023 Oct 7:261:115864.

Caution: Product has not been fully validated for medical applications. For research use only.

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